AMENDMENTS TO THE SPECIFICATION

Please amend the Specification as shown below. Applicants respectfully submit that the proposed amendments are to correct various informalities in the Specification, and that no new matter is being added.

Please replace paragraph [0020] with the following amended paragraph:

[0020] As shown in **Figure 3**, objects A **36**, B **48**, C **54**, D **60**, and E **66**, are created in memory **32**. Each object, for example object A **36**, includes a number of fields **38**, **40**, **42**. In accordance with an embodiment of the invention, the object will also include a time stamp **44** that is used to store a value indicating the time that the object was last accessed by the system or by another object. Pointer field **46** allows objects to reference other objects, or to be referenced by other objects. As shown in **Figure 3**, as the objects are created they may reference other objects, for example in **Figure 3** object C references object A by pointer **72** while object D references object C by pointer **76**. Similarly, pointers **70**, **74**, and **78** are used to reference other objects. After a particular time T has elapsed, which depending on the implementation may range from several milliseconds to many tens or hundreds of seconds, an analysis is performed of the objects currently in memory. The time stamp for each object is checked against the current system time, and those objects that have a time stamp older than a particular period of time are marked as cold objects. All other objects, i.e. those that have a time stamp more recent than a specified cut-off time are marked as warm objects. Once marked, cold objects are clustered together, as are [[hot]] <u>warm</u> objects. Links between [[hot]] <u>warm</u> clusters and cold clusters for example pointer **76** in **Figure 3**, are particularly important since they represent a link from a warm object to a cold object and are thus a potential memory link. This information is provided to the software developer as part of the object map, and the fields responsible for this pointer will be indicated.